

EN49X — Independent Research in Naval Engineering

Generic Course Policy Statement

Updated 10 August 2001 – Check with your Project Advisor for Variations and Updates

EN49x research projects give students within the Naval Architecture and Ocean Engineering majors an opportunity to pursue independent research in a particular area of interest to the student. EN495 and EN496 course designations are each 3-credit research options that may fulfill major elective course requirements. The following are generic course policy guidelines, so please keep in close communication with your research project advisor (RPA) for any variations or updates.

Research Program Coordinator

The NA&OE research program coordinator (RPC) is
Assoc. Prof. J. Waters:

e-mail: jwaters@usna.edu
phone ext. 3-6439
office: Rickover 347

Important References

See the EN49x web page on the department's web site for easy links to forms and instructions:

<http://www.usna.edu/NAOE/courses/en49x.htm>

On the web site, you will be able to access the following important documents:

- NA&OE Midshipman Research Project Proposal Form
- NA&OE Instruction 1531.36c: Policy Concerning Research Project Courses
- Academic Dean And Provost Instruction 1531.79: Midshipman Research Project Courses

Note: You are expected to have completed and submitted the proposal form and to have carefully reviewed the instruction documents prior to the semester in which you are performing your research.

Grading Policy & Research Award

Your EN49x grades are assigned by your research project advisor (RPA), based on fulfillment of the milestones and requirements of your project.

Each year, the department gives an award to that student who completes the best research project. The winner's name is placed on our department's permanent plaque; the winner also receives a small take home plaque, and a cash award. To select the winner, the department chair convenes a small committee to evaluate and judge the research projects.

Minimum Requirements & Expectations

1. Prior to the end of the semester preceding the project, you should work with a NA/OE faculty member (your Research Project Advisor or RPA) to develop a project with a reasonable scope, complete a proposal form and submit it to the chain of command for approval. (The form is available on the EN49x website.)
2. Prior to or early on during the semester of the project, a detailed semester schedule with identified milestones must be developed. In the case where shop or laboratory (e.g., HydroLab) usage is anticipated, you and your advisor (RPA) must schedule meetings with appropriate shop or lab personnel to coordinate facility usage. *Note: Additional deliverables, meetings, etc. may be required.*
3. During the semester of the research project, you should have regular (usually at least once per week) meetings with your project advisor (RPA). Requirements for 6-week and 12-week marking periods may vary, but typically include completion and submission of progress reports.
4. At the end of the semester, you must make an oral presentation to the department and submit a written report on your project. See the Academic Dean and Provost Instruction and NA&OE Instruction for more details.
5. Throughout the semester, any significant changes to your project should be made in coordination with your project advisor (RPA) and also reported to the Research Program Coordinator (RPC).